

REGIONAL VEGETATION LITERATURE. III. MASSACHUSETTS

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This annotated bibliography is the third of a series designed to cover at least the continental United States. It follows in form and content that established in "I. Connecticut" (*Phytologia* 3(1):1-26. 1948) and "II. Rhode Island" (*Phytologia* 3(2):49-56. 1949). This issue lists 304 references which contain original information on the vegetation of Massachusetts, on its composition, structure, functions, geography, history, and ecologic relationships. As such, it draws on the literatures of floristic taxonomy, forestry, pastures, wildlife, watersheds and soils, insofar as these describe aspects of the natural and seminatural plant communities.

Massachusetts is in an interesting position in regard to knowledge of its vegetation. Close to two centuries of intensive botanical investigations have given us detailed knowledge of its kinds of plants, but almost no other knowledge of its forests and fields. Aside from several popular treatments of local plant communities, there are but a sparse handful of papers written by vegetation scientists, and not a single monographic treatment of the complex of communities of a limited land area.

The author is indebted to the library staff of the New York Botanical Garden for valuable assistance in the preparation of this number. The map was drawn by L. E. Partelow, Weedsport, New York. It will be much appreciated if omissions, errors and additions to this bibliography are brought directly to the attention of the author, for incorporation in a future revision.

State Floras

PTERIDOPHYTA AND SPERMATOPHYTA

1833. *Hitchcock, Edward*. Catalogue of [Massachusetts] plants growing without cultivation. His *Report on the geology, mineralogy, botany, and zoology of Massachusetts, publ. at Amherst by Massachusetts*: 599-651. 19 plates, including folded maps, bound separately as "Plates illustrating the geology and scenery of Massachusetts."

Unannotated list of 1703 plants, including cryptogams. Plates include lithographs of scenes showing vegetation types.

1835. 2nd ed.: 604-651. Same plates bound separately, with map dated 1834. Reprint: *Catalogue of the animals and plants of Massachusetts with a copious index*, 142 p., *Amherst*, 1835.

Unannotated list of 1737 plants, including cryptogama.

1840. *Dewey, Chester*. Report on the herbaceous flowering plants* of Massachusetts, viii, 277 p. *Cambridge: Massachusetts*.
A botanical manual; no keys. Seedplants only.
1846. *Emerson, Geo. B.* A report on the trees and shrubs growing naturally in the forests of Massachusetts, xv, 547 p., 17 pl. *Boston: Massachusetts*. Reprint: *New York, Little Brown*, 1850.
A botanical manual; with keys.
1875. 2nd ed., 2 vols., 149 pl. *Boston: Little Brown*.
Revised and enlarged.
1878. 3rd ed. 1887. 4th ed. 1894. 5th ed.
Apparently reprints. 5 ed. reprinted at later dates.
1859. [*Flint, Chas. Louis.*] Catalogue of [Massachusetts] plants. 7th Ann. Rept. Secr. Mass. Bd. Agric. 1859: appendix i-xii. (The report bound together with separately paged Abstract of Returns ... Title on spine of combined volume: *Agriculture in Massachusetts by C. L. Flint, Second Series, 1859*).
Unannotated list of vascular plants in the herbarium, Latin names only, "examined and arranged by Chas. J. Sprague."
1878. *Hough, F. B.* List of the native trees of Massachusetts, with notes upon certain naturalized species. *Rept. on Forestry: 406-416. Washington: Govt. Printing Office*.
Annotated list, "derived almost wholly from the valuable report of Mr. Emerson."
1907. *Clarke, Daniel A.* The commercial forest trees of Massachusetts, how you may know them, 66 p., illustr. *Boston: State Forester*.
A dendrologic manual of 48 trees, with keys, well illustrated. Subsequent "editions" (2nd, 1908; 3rd, 1911; 4th, 1916) are apparently reprints.
1927. *Illick, Joseph S.* Common trees of Massachusetts, 110 p., 1 t., illustr. *Washington: Amer. Tree Assoc.*
A dendrologic manual, with table of historic trees; no keys.
- 1928- . *Smith, Lyman B.*, chairman of comm. Reports on the flora of Massachusetts. I, *Rhodora* 30:12-19, 1928. II, *Rhodora* 35:351-359, 1933. III, *Rhodora* 44:213-220, 1942. IV, *Rhodora* 49:257-277, 1947.
Annotated list of vascular plants, through Gramineae.

Vegetation Literature Arranged by Localities

GENERAL

1829. *Hitchcock, Edward*. Catalogue of plants growing without cultivation

in the vicinity of Amherst College, 64 p. *Amherst: Amherst College Junior Class.*

Unannotated list of 1447 plants, including cryptogams, occurring within 50 miles of Amherst.

1841. *Russell, John Lewis.* Attempt to ascertain some of the hepatic mosses of Massachusetts, with remarks. *Boston Journ. Nat. Hist.* 3 (for 1840-41):465-469.

Annotated list, *Jungermannia* (Bryophyta) only, probably eastern Massachusetts.

1875. *Tuckerman, Edward, and Chas. C. Frost.* A catalogue of plants growing within thirty miles of Amherst College, 6, 98 p. *Amherst: Nelson.*

Unannotated list, including cryptogama. Sites and localities occasionally given.

1885. *Shaler, N. S.* Sea-coast swamps of the eastern United States. *U.S. Geol. Surv. 6th Ann. Rept. (for 1884-85):* 353-398. F.51-57.

Includes a catalogue of the larger tidal marshes between the Hudson River (New York) and Portland (Maine).

1887. *Cobb, Nathan Augustus.* A list of plants found growing wild within thirty miles of Amherst, 51 p. *Northampton: Bridgman.*

Unannotated list, including cryptogams.

1899. *Clark, Hubert Lyman.* Additions to the flora of Amherst, Massachusetts. *Rhodora* 1:164-165.

Comments on local occurrences of 20 plants, 16 of which are additions.

1900. *Harper, Roland McMillan.* Further additions to the flora of the Amherst region. *Rhodora* 2:68-70.

Annotated list of 21 additions, and annotations on 4 others.

1890. *Dame, Lorin L., and Henry Brooks.* Typical elms and other trees of Massachusetts, with an introduction by Oliver Wendell Holmes, 89 p., 58 pl. *Boston: Little Brown.*

Descriptions and illustrations of historic trees, some of which were part of the original vegetation.

1897. *Saunders, Mary T.* The flora of colonial days. *Essex Inst. Bull.* 27:74-88.

Quotations of botanical interest, from 17th century writers.

1897. *Stone, Geo. Edward.* Massachusetts weeds. *Mass. Crop Rept. (for Sept. 1897):*28-35.

With unannotated list of seedplants, comments on times of introduction, and varying abundances, primarily eastern Massachusetts.

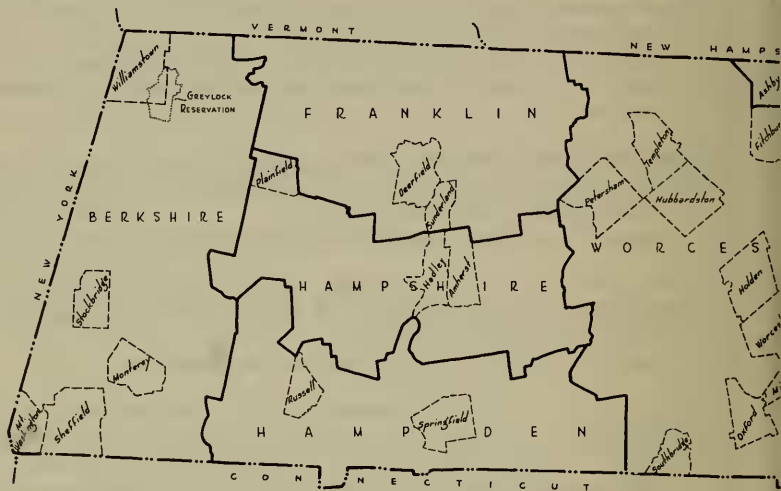
1899. *Stone, Geo. Edward.* Past and present floral conditions in central Massachusetts. *Rhodora* 1:143-148.

General comments on original and present forests. Mainly Franklin, Hampshire and Hampden Counties.

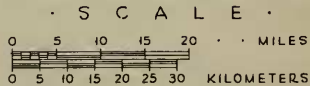
1903. *Blankinship, J. W.* The plant formations of eastern Massachusetts. *Rhodora* 5:124-137.
Species lists and brief comments on 19 types of vegetation, "Cape Ann to Plymouth and from Cape Cod to some 15 miles west of Boston."
1905. *Spring, Samuel N.* The natural replacement of white pine on old fields in New England. *U.S. Dept. Agric. Bull.* 63:32 p.
Origin and development of old-field white-pine stands, with map showing their distribution in the New England states.
1919. *Simmons, James Raymond.* Historic trees of Massachusetts, xxi, 139 p., (illustr., map inside cover) *Boston: Marshall Jones.* . Rev.: *Amer. For.* 26:213-225, 1920.
Descriptions and illustrations of historic trees, some of which were part of the original vegetation.
1920. *Mayhew, Inez P.* Winter flowers in Massachusetts. *Amer. Bot.* 26:140-141.
Popular account of plants flowering in winter. Unnamed locality on the coast.
1925. *Cline, A. C., C. R. Lockard, and Richard T. Fisher.* Mixed white pine and hardwood. *Harvard For. Bull.* 8:67 p., 13 f., 4 t.
With sections on origin and development of old-field white-pine and pine-hardwood communities. North-central Massachusetts and southwestern New Hampshire.
1926. *Starr, Anna M.* Massachusetts [natural areas and regions]. V. E. Shelford's *Naturalist's Guide to the Americas*, publ. at Baltimore by *Williams & Wilkins*: 318-326.
Brief description of state, with conspectus of 37 public areas and 10 proposed areas of notable vegetation.
1927. *Forbush, E. H.* The faunal areas of New England. *His Birds of Massachusetts and other New England states*, publ. at Boston by *Mass. Dept. Agric.*, 2:xviii-xxiii, folded map.
With description of vegetation of Canadian, Transition and Carolinian Zones.
1929. *Cook, H. O.* A forest survey of Massachusetts. *Journ. For.* 27:518-522, 2 t.
Summary of state-wide survey, with data on classes of land (forest, crop land, etc.) by counties, and on forest areas by types and size classes.
1929. *Gevorkiantz, S. R., and N. W. Hosley.* Form and development of white pine stands in relation to growing space. *Harvard Forest Bull.* 13:83 p., 3 f., 23 t.

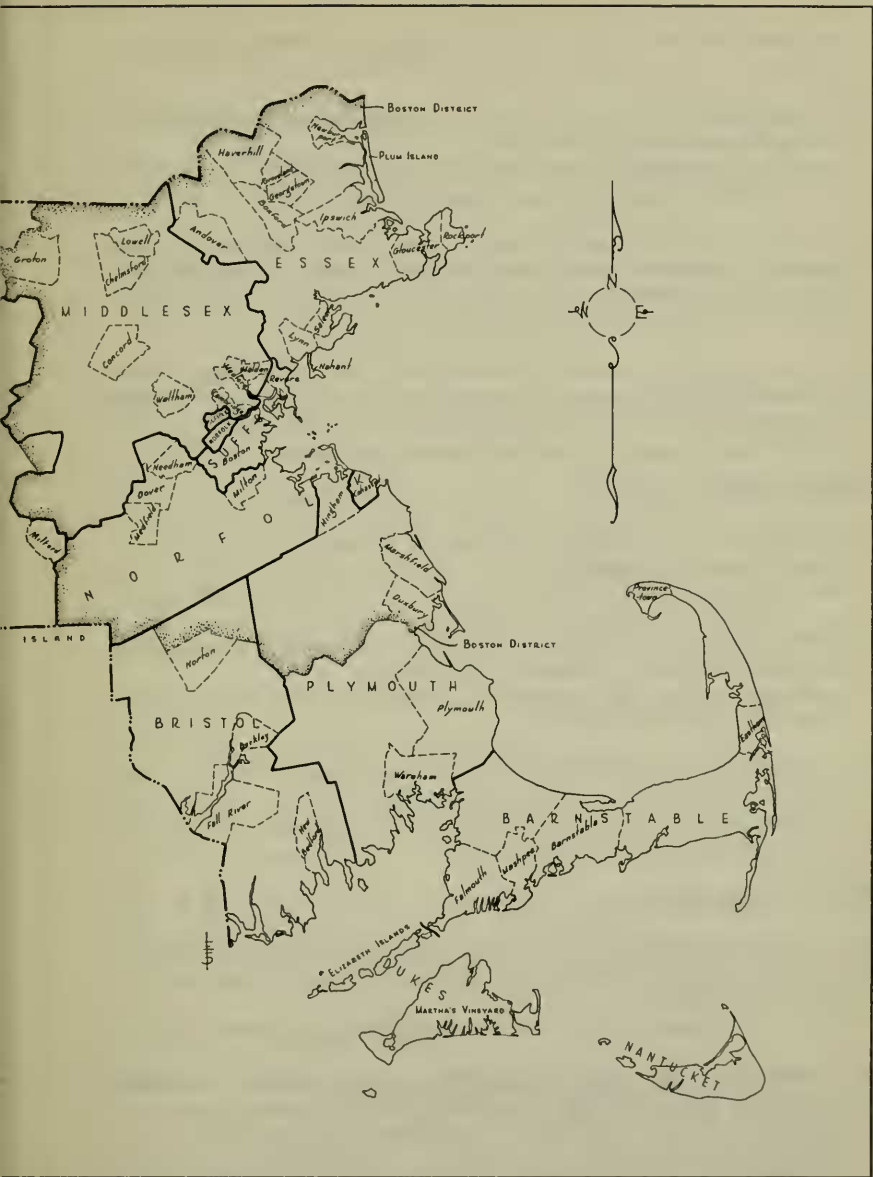
Relation of density to form, taper, etc., natural and planted pure white pine, northern Massachusetts.

1929. *Goodale, Alfred S., compiler.* A check list of Pteridophyta and Spermatophyta (fern allies and seed-plants) occurring in the Connecticut River watershed in Massachusetts, 72, 5 p. *Amherst: author.*
Unannotated list of vascular plants. Hampshire and Franklin Counties, and parts of Hampden, Worcester and Berkshire Counties. Successor to the "Amherst floras."
1930. *Cunningham, Floyd F.* The relation of forest invasion and succession to the major soil types of the central Massachusetts upland. *Clark Univ. Thesis Abstracts (for 1930) 2:17-21.*
Forest types, based on quadrat analyses of 5 soil series.
1932. *Goodale, Alfred S., compiler.* A check list of Pteridophyta (ferns) occurring in the Connecticut River watershed in Massachusetts, 7 p., index. *Amherst: author.*
Unannotated list of ferns. Same area as Goodale 1929.
1934. [*Mass. Forest and Park Assoc.*] Guide to the Berkshires to the Capes Bridle Trail, 101 p., 12 maps. *Boston: Mass. Forest and Park Assoc.*
Description of the trail (since abandoned), with comments on the local vegetation.
1935. *Bromley, Stanley W.* The original forest types of southern New England. *Ecol. Monogr. 5:61-89, 8 f.*
Interpretation of the pre-colonial forests, emphasizing the importance of frequent fires. With maps of the principal forest regions, and of the locations of certain forest types.
1937. *Raup, Hugh M.* Recent changes of climate and vegetation in southern New England and adjacent New York. *Arnold Arboretum Journ. 18:79-117.*
Interpretation of the pre-colonial oak-chestnut-hickory forests, in the light of evidence of a warmer and drier climate within the past 3000 years.
1939. *Wyman, Donald.* Salt water injury of woody plants resulting from the hurricane of September 21, 1938. *Arnold Arboretum Bull. Pop. Inform. IV, 7:45-51, pl. 8-9.*
Lists of plants according to degree of salt-water damage, based on data from Woods Hole, Falmouth, Newport (R. I.), and places along the Massachusetts north shore.
1940. *Egler, Frank E.* Berkshire Plateau vegetation, Massachusetts. *Ecol. Monogr. 10:145-192, 5 f., 10 t.*
Descriptions of upland communities of three vegetation zones. Eastern



MAP OF MASSACHUSETTS
 SHOWING LOCALITIES AT WHICH
 VEGETATION HAS BEEN DESCRIBED





Boston District

Plum Island

Haverhill

Ipswich

Lowell

Andover

Essex

Amherst

Springfield

Northampton

Worcester

Franklin

Worcester

Worcester

Worcester

Worcester

Worcester

Worcester

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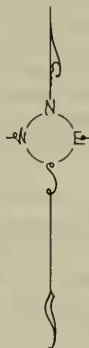
Worcester

Worcester

Worcester

Worcester

Worcester



ISLAND

Boston District

Plymouth

Bristol

Plymouth

Bristol

Wareham

Barnstable



Elizabeth Islands

Dukes

Martha's Vineyard

Nantucket

Berkshire, western Franklin, western Hampshire and western Hampden Counties.

1940. *Raup, Hugh W.* Old field forests of southeastern New England. *Arnold Arboretum Journ.* 21:266-273.

Traces the division in eastern Massachusetts between zonal old-field types, and their corresponding general-upland forests.

1941. *Mass. W. P. A. Writers' Project.* State forests and parks of Massachusetts, a recreation guide, 58 p., illustr. *Boston: Massachusetts.*

Descriptions, and full-page detailed maps of each state forest and park.

1942. *Bain, Geo. Wm., and Howard A. Meyerhoff.* The flow of time in the Connecticut Valley, geological imprints, 129 p., 24 f., 10 pl. *Northampton: Hampshire Bookshop.*

Discussions of local geology; few vegetational comments.

AMHERST (Hampshire County)

1892. *Humphrey, J. E.* Amherst trees, an aid to their study, 78 p.

Amherst: Carpenter & Morehouse.

Descriptions of local kinds of trees.

1930. *Waugh, Frank A., and Chas. H. Thompson.* Hardy woody plants. *Mass. Agric. Exp. Sta. Bull.* 267:paged as 146-182.

Annotated list of trees and shrubs, presumably for the state, with comments on growth at Amherst.

1932. *Beaumont, A. B.* Experiments with permanent pastures. *Mass. Agric. Exp. Sta. Bull.* 281:36 p., 11 f., 19 t.

Describes some botanical changes in pasture communities, related to top dressings with commercial fertilizers.

ANDOVER (Essex County)

1901. *Pease, Arthur Stanley.* Some wild flowers of Andover with their dates of flowering together with a list of the ferns of Andover, 31 p.

Andover: School Dept.

Tables of flowering dates of herbs. Annotated list of ferns.

n.d. *Moore, A. H., and Arthur Stanley Pease.* List of plants introduced into Andover, Mass., in 1902, 7 p. *Andover: authors.*

Unannotated list of 104 species, transplanted from a garden into wild localities.

ASHBY (Middlesex County)

1906. *Howe, Reginald Huber.* Some lichens of Mt. Watatic, Massachusetts.

Bryologist 9:46-48.

Annotated list of 38 plants, collected on one day.

BARNSTABLE COUNTY

1865. *Thoreau, Henry David*. Cape Cod. Numerous editions.
A naturalist's account, with information of vegetational interest.
From Eastham to Provincetown.
1902. *Hollick, A*. Geological and botanical notes: Cape Cod and Chappaquidick Island, Mass. *N. Y. Bot. Garden Bull.* 2:381-407, 8 pl., map.
With unannotated list of 94 species, brief descriptions of the vegetation, and interpretation of the history.
1903. *Cowles, Henry Chandler*. Contrasts and resemblances between the sand dune floras of Cape Cod and Lake Michigan. *Science* 17(424):262 only.
Brief comments, without mention of specific species.
1912. *Sinnott, Edmund W*. The pond flora of Cape Cod. *Rhodora* 14:25-34.
General description of pond vegetation. Annotated list of species.
1914. *Knowlton, Clarence Hinckley*. The original flora of the old colony. *Rhodora* 16:113-116.
Collection of botanical notes from "Mount's Relation," 1622. Provincetown and Truro towns.
1920. *Brigham, Albert Perry*. Cape Cod and the old colony. *Geogr. Rev.* 10:1-22, 1 f.
Survey of human history and land-use. No direct vegetation data.
1921. *Harper, Roland M*. Cape Cod vegetation. *Torrey* 21:91-98, 2 f.
Descriptive account of vegetation of entire Cape. Resume of preceding botanical studies.
1928. [*Mass. Forestry Assoc.*] The Cape Cod forest fire prevention experiment, 8 p., illustr. *Boston: Mass. Forestry Assoc.*
With comments on the vegetation, and fire relationships. Bourne, Falmouth, Sandwich, Mashpee, Barnstable and Yarmouth towns.
- #### BARNSTABLE (Barnstable County)
1889. *Deane, Walter*. A few Cape Cod plants. *Bot. Gaz.* 14:45-47.
Popular treatment, selected seedplants; with vegetation notes.
1904. *Cheney, Clara Imogene*. Plants from Cape Cod; specimens collected mounted and catalogued by ..., 19 p. *Boston: author*.
Annotated list of over 300 vascular plants. Centerville.

BERKLEY (Bristol County)

1947. *Johnson, Frederick, and Hugh M. Raup.* Grassy Island, archaeological and botanical investigations of an Indian site in the Taunton River, Massachusetts. *Robt. S. Peabody Found. for Archaeology Papers* 1:viii, 68 p., 9 f., 3 t., 3 pl.

With description of present vegetation, and interpretation of history from Indian times. A brackish tidal-marsh.

1948. *Deevey, Edward S.* On the date of the last rise of sea level in southern New England, with remarks on the Grassy Island site. *Amer. Journ. Sci.* 246:351, 9 f.

Further interpretation of history, based on pollen analyses.

BERKSHIRE COUNTY

1829. *Dewey, Chester.* Catalogue of plants found in the county of Berkshire, Ms. *A history of the county of Berkshire*, by gentlemen in the county, clergymen and laymen, publ. at Pittsfield by Berkshire Assoc. of Congregational Ministers: 43-86.

Annotated list of vascular plants, including cryptogams.

1892. *Whipple, A. B.* The early botany of Berkshire. *Berkshire Book*, by its Historical and Scientific Society (Title on spine: *Berkshire Historical Society Collections, 1892*): 5-35 of second paging.

Quotations from old publications; recollections of vegetation; popular treatment of vegetation.

1901. *Adams, John Coleman.* Nature studies in Berkshire, viii, 225 p., 16 illustr. *New York: Putnam.*

With miscellaneous comments on vegetation.

1905. *Niles, Grace Greylock.* Hoosac Valley and its flowers and ferns. *Amer. Bot.* 9:1-7, 21-28, 2 frontisp.

Popular treatment of vegetation. Northern part of county.

1922. *Hoffmann, Ralph.* Flora of Berkshire County, Massachusetts. *Boston Soc. Nat. Hist. Proc.* 36:171-382.

Introduction treats vegetation. Annotated list of 1656 vascular plants, with some keys.

1939. *Wallace, G. J.* Some recent additions to the flora of Berkshire County, Massachusetts. *Rhodora* 41:128-130.

Seven additions, with annotations, from Lenox Sanctuary.

1942. *Wallace, G. J.* More Berkshire plants. *Rhodora* 44:332-334.

Ten additions, with annotations, from Lenox Sanctuary.

1948. *Simpson, A. Kenneth.* With what the hills are clothed. *The Berkshires, the purple hills*, ed. by Roderick Peattie, publ. at New York by Vanguard: 31-74, 2 pl.

A naturalist's account of interesting plants. Few data on vegetation.

BOSTON (Suffolk County)

1835-36. *Kenrick, E. B.* Beautiful plants growing wild in the vicinity of Boston. *Hovey's Mag. Hort.* 1 (for 1835): 368-377, 411-418, 453-458; 2 (for 1836): 55-57, 131-134, 171-174.

Popular treatment of selected seedplants, with comments on local occurrences.

1908. *Rich, Wm. Penn.* City botanizing. *Rhodora* 10:149-155.

Popular treatment of selected plants.

1910. *Davis, Chas. A.* Salt marsh vegetation near Boston and its geological significance. *Econ. Geol.* 5:623-639.

Primarily physiographic. Treats major plant communities.

1930. *Palmer, Ernest J.* The spontaneous flora of the Arnold Arboretum. *Arnold Arboretum Journ.* 11:63-119, Pl. 21.

Annotated list of 610 vascular plants. Introduction treats vegetation.

1935. *Palmer, E. J.* Supplement to the spontaneous flora of the Arnold Arboretum. *Arnold Arboretum Journ.* 16:81-97.

173 additions, with annotations.

1947. *Palmer, E. J.* Second supplement to the spontaneous flora of the Arnold Arboretum. *Arnold Arboretum Journ.* 28:410-418.

Additions, with annotations, bringing total to about 930 plants.

1935. *Jack, John G.* Winter injuries among trees and shrubs. *Sci. Mo.* 40:332-338.

Damage to cultivated woody plants, 1933-34, Arnold Arboretum.

1939. *Wyman, Donald.* The order of bloom of trees and shrubs at the Arnold Arboretum. *Arnold Arboretum Bull. Pop. Inform.* 7:53-64.

Chronologic list, arranged according to time of full bloom.

1940. *Wyman, Donald.* Map of the Arboretum. *Arnold Arboretum Bull. Pop. Inform.* 8:21-24, Pl. 3, folded map.

Includes map, and comments upon it.

[1949.] [*Arnold Arboretum.*] Through the Arnold Arboretum, 46 p., illustr., map. Boston: Arnold Arboretum.

Descriptive general literature.

"BOSTON DISTRICT" (see map)

1814. *Bigelow Jacob.* Florula bostoniensis, a collection of plants of

- Boston and its environs, 268 p. *Boston: Cummings and Hilliard.*
- A botanical manual of vascular plants, with local annotations.
1824. 2nd ed. ("vicinity" replaces "environs" in title), 423 p.
1840. 3rd ed. ("vicinity" replaces "environs" in title), 468 p.
1847. *Russell, John Lewis.* Musci of eastern Massachusetts. *Boston Nat. Hist. Journ* 5 (for 1845-47):172-188.
- Annotated list. "Vicinity of Boston."
- 1876-1878. *Farlow, W. G.* List of fungi found in the vicinity of Boston. *Bussey Inst. Bull.* 1 (for 1876):430-439; 2(for 1878):224-252.
- Mainly an annotated list. Woods Hole to Eastport, Maine.
1881. *Robinson, John.* Date of flowering of trees and shrubs in eastern Massachusetts, 1880. *Mass. Hort. Soc. Trans.* 1880:161-173.
- Chronologic unannotated list, chiefly Arnold Arboretum and Cambridge Botanic Gardens, and elsewhere in Essex County.
1882. *Robinson, John.* Date of flowering of trees and shrubs in eastern Massachusetts, 1881. *Mass. Hort. Soc. Trans.* 1881:348-358.
- Chronologic unannotated list, no exact locality.
1885. *Pease, Cora E.* The treasures of the fells. *Outing* 7:175-181.
- Popular treatment of plants at Middlesex Fells, northwest of Boston.
1896. *Deane, Walter.* Flora of the Blue Hills, Middlesex Fells, Stony Brook and Beaver Brook Reservations of the Metropolitan Park Commission. Massachusetts, viii, 144 p., folded maps. *Boston: Barrows.*
- Annotated list, including cryptogams.
1902. *Clark, Arthur.* A few plants of the Blue Hills Reservation. *Rhodora* 4:74-76.
- Additions, and annotations on other plants.
1908. *Howe, Reginald Huber.* Two additions to the lichen flora of the Blue Hills. *Rhodora* 10:35-36.
- Additions, with annotations.
1897. *Bacon, Edwin M.* Walks and rides in the country round about Boston covering thirty-six cities and towns, parks and public reservations, within a radius of twelve miles from the state house, 419 p., index, 4 folded colored maps, illustr. *Boston & New York: Houghton Mifflin.*
- Reprint: Walks and rides in the country round about Boston, in 5 separate parts, boxed, with maps, without index, 1900.
- Includes comments on vegetation.
1898. *Eliot Chas.* Vegetation and scenery in the metropolitan reservations of Boston, a forestry report written by ... and presented to the Metropolitan Park Commission, Feb. 15, 1897, by Olmsted, Olmsted and Eliot, 23 p. 57 pl., 3 f., maps. *Boston, New York, London: Lamson, Wolfe.*
- Popular treatment of major vegetation types.

1902. *Locke, Elsie.* Flower talk in the Boston reservations. *New England Mag.* 26:259-267, illustr.

Popular treatment of plant life of Middlesex Fells and Blue Hills, arranged according to season of flowering.

1907-1929. *New England Botanical Club committee.* Reports on the flora of the Boston district. *Rhodora* 9 (1907):81-86; 10(1908):59-64, 128-131; 11(1909):75-80, 179-180, 204-209; 12(1910):3-7, 95-99; 13(1911):27-29, 72-73, 82-85, 104-105, 232-235, 248-251; 14(1912):76-78, 107-113; 15(1913):54-59, 122-132, 144-151; 16(1914):106-113; 17(1915):169-180, 202-203; 18(1916):86-90, 165-168, 213-221, 248-252; 20(1918):15-18, 55-59, 164-171, 208-209; 21(1919):78-83, 125-128; 22(1920):72-75, 123-127; 23(1921):113-118; 24(1922):92-95, 152-156, 231-236; 25(1923):25-31, 37-43, 60-67, 185-187; 26(1924):13-19, 34-36, 55-60, 82-88, 107-111, 130-132, 149-152, 166-168; 31(1929):41-43.

Annotated list of 2500 vascular plants. A modern treatment; published in 51 parts, exemplifying for all time the value of such publication for bibliographers, librarians, and botanists using this type of list.

1910. *Davis, C. A.* Salt marsh vegetation near Boston, and its geological significance. *Econ. Geol.* 5:623-639.

Mainly studies of peat sections. "Practically all of the salt marshes in the Boston and Boston Bay quadrangles were examined."

1943. *Lyon, C. J.* Water supply and the growth rates of conifers around Boston. *Ecology* 24:329-344.

Correlations of annual increment with precipitation, hemlock and white pine.

[1945.] *Knowlton, Clarence Hinckley.* The earliest spring flowers. *South Shore Nature Club Leaflet* 3: 2 p.

Popular phenologic treatment of selected plants. Eastern Norfolk and northern Plymouth Counties.

1947. *Leopold, A. C.* Distribution of red cedar in eastern Massachusetts. *Rhodora* 49:172-175, 3 f.

Distribution of red-cedar old-fields in an area 17 x 19 miles, on the zone boundary of Raup 1940, and correlations with cold-weather isotherms.

1949. *Knowlton, Clarence Hinckley.* Plant societies of southeastern Massachusetts, 10 p. *Hingham & Cohasset: South Shore Nature Club.*

Popular treatment of vegetation.

BOXFORD (Essex County)

1876. [*Perley, Mary Ellen.*] Flora of Boxford. *Georgetown Advocate (newspaper)* 2(22, 24).

Unannotated list of seedplants.

1897. *Alcott, Wm. Penn.* Botanical notes. *Essex Inst. Bull.* 27 (for 1895):92-94.

Unannotated list and popular treatment of selected seedplants.

CAMBRIDGE (Middlesex County)

1861. [*Higginson, Thomas Wentworth.*] April days. *Atlantic Monthly* 7: 385-394.

Popular treatment of phenologic data.

1862. *Higginson, Thomas Wentworth.* Procession of the flowers. *Atlantic Monthly* 10:649-657.

Popular treatment of phenologic data. Probably Cambridge.

1924. *Fernald, Merritt Lyndon,* comp. Key to the families of spring-flowering plants of eastern Massachusetts, 12 p. *Cambridge: Harvard Univ.*

A dichotomous key, "distinguishing the principal families of flowering plants available about Cambridge in April and May."

1939. *Ames, Oakes I.* Survey of hurricane damage at Mount Auburn cemetery, Cambridge, Mass. *Arborist's News* 4: [5-6], 1 t.

Tabular data on 4315 damaged trees of more than 34 kinds.

CHELMSFORD (Middlesex County)

1881. *Alcott, Wm. Penn.* Introduced plants found in the vicinity of a wool-scouring establishment. *Essex Inst. Bull.* 13:162-166.

Annotated list of 36 seedplants. North Chelmsford.

1917. *Knowlton, Clarence Hinckley.* The botany of Chelmsford. *Wilson Water's History of Chelmsford, publ. at Chelmsford by the town:* 651-655.

Popular treatment of vegetation and flora.

COHASSET (Norfolk County)

1898. [*Collier, Priscilla Lathrop.*] Botany of Cohasset. Edwin Victor Bigelow's *A Narrative history of the town of Cohasset, Massachusetts, publ. at Boston by Usher:* 541-552.

Unannotated list of vascular plants, including fungi.

CONCORD (Middlesex County)

1881. *Thoreau, Henry David.* Early spring in Massachusetts, from the journal of ..., 354 p., frontisp. *Boston: Houghton Mifflin.*

A naturalist's diary, with information concerning vegetation.

1899. [*Hosmer, Alfred W.*] On the plants introduced by Minot Pratt at

Concord, Massachusetts. *Rhodora* 1:168-172.

Two annotated lists, reporting success or failure with 20-year-old naturalization experiments.

1913-1915. *Howe, Reginald Huber*. The foliaceous and fruticose lichens of Concord, Massachusetts, with keys to all New England species. *Thoreau Mus. Nat. Hist. Proc.* 1(1913):27-29; 1(1914):30-32; 1(1915):37-40.

Botanical descriptions of families and genera; keys to species.

1918. *Brewster, Wm.* Exotic plants established in Middlesex County, Massachusetts. *Rhodora* 20:204-205.

Naturalization of two species in an old field.

DEERFIELD (Franklin County)

1818. *Williams, Stephen Wells*. Floral calendar kept at Deerfield, Massachusetts, with miscellaneous remarks. *Amer. Journ. Sci.* 1:359-373.

Chronologic treatment, for 1811, 1812, and 1818.

DOVER (Norfolk County)

1897. *Smith, Frank*. Flora, weeds, sylvia, shrubs and vines, ferns. His *A history of Dover, Massachusetts, as a precinct, parish, district, and town*, publ. at Dover by the town: 324-335.

Unannotated lists of plants.

DUXBURY (Plymouth County)

1912. *Knowlton, Clarence Hinckley*. Notes on the flora of Duxbury, Massachusetts. *Rhodora* 14:18-22.

With popular treatment of the vegetation.

1912. *May, J. B.* Further notes on the flora of Duxbury, Massachusetts. *Rhodora* 14:90-91.

Recent changes in abundance of certain plants. Naturalization of *Quercus robur*.

EASTHAM (Barnstable County)

1909. *Collins, Frank Shipley*. Notes of the flora of lower Cape Cod. *Rhodora* 11:125-133.

Popular treatment of vegetation.

1910. *Collins, Frank Shipley*. Flora of lower Cape Cod; supplementary note. *Rhodora* 12:8-10.

Further treatment of vegetation.

1911. *Collins, Frank Shipley*. Flora of lower Cape Cod; third note.

Rhodora 13:17-22.

Further treatment of vegetation, especially sporadic species.

1915. *Collins, Frank Shipley*. November flowers. *Rhodora* 17:33-38.
Phenologic data for 92 species.

ELIZABETH ISLANDS (Dukes County)

1874. *Jordan, D. S.* The flora of Penikese Island. *Amer. Nat.* 8:193-197.
Unannotated list of plants, including cryptogams.

1901. *Hollick, Arthur*. A reconnaissance of the Elizabeth Islands.
N. Y. Acad. Sci. Annals 13:387-418, Pl. 8-15.
With general comments on vegetation.

n.d. *Northrop, Alice R.* Notes on the flora of Nashuina Island, 24 p.
Ms. in Gray Herbarium, Harvard Univ.
Popular treatment of vegetation. Annotated list of 335 plants, including cryptogama. Post-1903.

1905. *Forbes, Sarah Swain*. The botany of Naushon, 114 p. *Boston:author*.
Taxonomic treatment of species, with popular comments, but no local annotations.

1915. *Roberts, Edith A.* The distribution of beach plants. *Bot. Gaz.* 60:406-411.
Descriptive account of beach and cliff vegetation.

1924. *Lewis, Ivey F., et al.* The flora of Penikese, fifty years after. *Rhodora* 26:181-195 and map, 211-219, 222-229, Pl. 146-147.
Introduction on vegetation. Annotated list of plants, including cryptogams.

1930. *Fogg, J. M.* The flora of the Elizabeth Islands, Massachusetts. *Rhodora* 32:119-132 and map, 147-161, 167-180, 208-221, 226-258, 263-281.
Introduction on vegetation. Annotated list of over 500 vascular plants.

1948. *Doty, Maxwell S., et al.* The flora of Penikese, seventy-four years after. I, by *Maxwell S. Doty*, Penikese Island marine algae, *Rhodora* 50:253-269. II, by *Hannah Croasdale*, Fresh and brackish water algae of Penikese Island, *Rhodora* 50:269-279. III, by *Eliz. R. Dearden*, Penikese Island fungi, *Rhodora* 50:285-288. IV, by *Edwin T. Moul*, Flora of Penikese Island, *Rhodora* 50:288-304.
Annotated lists and comments on vegetation.

ESSEX COUNTY

1854. *Osgood, Geo.* [List of plants collected from March 25 to November

27, 1853, principally from North Danvers, with a few from Pleasant Pond, Wenham.] *Salem Gazette (newspaper) 1854 (42,44)*.

Unannotated list of seedplants, arranged according to date of blooming. Principally Danvers and Wenham towns.

1856. *Oakes, Wm.* *Collectanea botanica, or notices of rare plants found in Essex county, Massachusetts. Essex Inst. Proc. 1(for 1848-1856): 271-273.*

Annotated list of 25 seedplants.

1858. *Tracy, Cyrus Mason.* *Studies of the Essex flora; a complete enumeration of all plants found growing naturally within the limits of Lynn, Mass., and the towns adjoining...*, 88 p. *Lynn:author.*

Annotated list of seedplants.

1892. 2nd ed. *Studies of the Essex flora*, 99 p, *Lynn:Nichols.*

Annotated list of seedplants. Southwestern Essex County.

1862. [*Buttrick, Samuel Bartlett.*] *Calendar of spring for 1855 [and]...* 1856. *Essex Inst. Proc. 2(for 1856-1860):172-174.*

Unannotated list of selected seedplants, arranged chronologically. Southern Essex County.

1875-1877. *Robinson, John.* *Ferns of Essex county, Mass. Essex Inst. Bull. 7(1875):44-54, 147-148; 9(1877):98.*

Annotated list.

1879. *Robinson, John.* *Notes on the native and extensively introduced woody plants of Essex County, Massachusetts. Essex Inst. Bull. 11:72-106.* Reprint: 38 p., 1 pl., *Salem, Essex Inst.*

Annotated list.

1880. *Robinson, John.* *Notes on the flora of Essex County, Massachusetts, with sketches of the early botanists, and a list of the publications on these subjects. Essex Inst. Bull. 12:81-97.*

Annotations on selected species. Bibliography. Article reprinted in his 1880 flora.

1880. *Robinson, John.* *The flora of Essex County, Massachusetts*, 200 p. *Salem: Essex Inst.*

Introduction on vegetation. Annotated list of 1834 plants, including cryptogams. Bibliography.

1883. *Paine, Harriet Eliza.* *Groveland plants not reported by Mr. Robinson in his county flora. Essex Inst. Bull. 15:134.*

Additional seedplants, with annotations.

1883. *Sears, John H.* *Weeds of Essex County. Essex Inst. Bull. 15:93-104.*

Annotated list of selected plants, including cryptogama.

1885. [Robinson, John.] The native woods of Essex County, Massachusetts Extract from "Report on forests of North America" by Prof. Chas. S. Sargent, vol. 9, of "Reports of the Tenth Census of the U.S." *Peabody Acad. Sci. Repts. for 1884:103-107*, 3 t.

Mainly physical properties of woods. Few local vegetation data.

1891. Robinson, John. Our trees; a popular account of the trees in the streets and gardens of Salem, and the native trees of Essex county, Massachusetts, with the location of the trees and historical and botanical notes, 120 p. *Salem: Essex Inst.*

Popular treatment of selected trees.

1900. Huntington, J. W. Some uncommon mosses in northern Essex county, Massachusetts. *Rhodora* 2:95-97.

Comments on selected species.

FALL RIVER (Bristol County)

1913. Cook, H. O. Some original data on waterflow and forests. *Harvard Forestry Club Bull.* 2:38-42.

Conclusions on relation of forests to streamflow. Watershed of North Watuppa Pond.

FALMOUTH (Barnstable County)

1901. Clark, Hubert Lyman. Notes on the flora of Woods Hole, Massachusetts. *Rhodora* 3:87-89.

Annotations on 17 selected plants.

1902. Shaw, Chas. H. The development of vegetation in the morainal depressions of the vicinity of Woods Hole. *Bot. Gaz.* 33:437-450, 6 f.

Vegetation development traced from open water. Presents a theory on the marginal ditch.

1904. Kearney, T. H. Are plants of sea beaches and dunes true halophytes? *Bot. Gaz.* 37:424-436.

Environment analyses, with data from Woods Hole.

1905. Chrysler, M. A. Reforestation at Woods Hole, Massachusetts - a study in succession. *Rhodora* 7:121-129, 4 f., Pl. 62-63.

Description of a tract bare in 1850, now forested, with plantings decadent and natural oak reproduction; and a salt-spray scrub.

1909. Barlett, H. H. The submarine *Chamaecyparis* bog at Woods Hole, Massachusetts. *Rhodora* 11:221-235, 1 pl., 1 t., 1 map.

Description of tidal-marsh overlying *Chamaecyparis* bog.

1913. Davis, B. M. General characteristics of the algal vegetation of

Buzzards Bay and Vineyard Sound in the vicinity of Woods Hole. *U.S. Dept. Commerce and Labor Bur. of Fisheries Bull.* 31:443-544.

With description of algal communities of tidal marsh pools.

1913. *Davis, B. M.* A catalogue of the marine flora of Woods Hole and vicinity. *U.S. Dept. Commerce and Labor Bur. of Fisheries Bull.* 31: 795-833.

Annotated list, mainly algae and fungi. Buzzards Bay and part of Vineyard Sound.

1915. *Roberts, Edith A.* The distribution of beach plants. *Bot Gaz.* 60: 406-411.

Descriptive account of beach and cliff vegetation.

FITCHBURG (Worcester County)

1885. *Simonds, Arthur Beaman, et al.* Catalogue of the phænogamous and vascular cryptogamous plants of Fitchburg and vicinity, 39 p. *Fitchburg: Fitchburg Agassiz Assoc.*

Unannotated list of 816 plants.

FRANKLIN COUNTY

1910. *Williams, Emile F.* Notes on the flora of Franklin County, Massachusetts. *Rhodora* 12:168-170.

Popular treatment of selected species.

1913. *Stone, Geo. Edward.* A list of plants growing without cultivation in Franklin, Hampshire and Hampden Counties, vii, 72 p. *Amherst:author.*

List of 1493 vascular plants, with few annotations.

1923. *Averill, R. C., W. B. Averill, and W. I. Stevens.* A statistical forest survey of seven towns in central Massachusetts. *Harvard Forest Bull.* 6: 1 f., 18 t.

Timber survey of eastern Franklin County and northwestern Worcester County, with vegetation data.

1935. *McKinnon, F. S., G. R. Hyde, and A. C. Cline.* Cut-over old field pine lands in central New England, a regional study of the composition and stocking of the ensuing volunteer stands. *Harvard Forest Bull.* 18: 80 p., 12 f., 9 t.

Composition and density in relation to site and age. Northern Worcester, eastern Franklin, and Cheshire (New Hampshire) Counties.

GEORGETOWN (Essex County)

1876. [*Horner, Charlotte N. S.*] Flora of Georgetown. *Georgetown Advocate (newspaper)* 2(20, 23, 25, 29, 32).

Unannotated list of seedplants.

1884. *Horner, Charlotte, N. S.* Notes on the flora of South Georgetown. *Essex Inst. Bull.* 15:107-110.

Annotated list of vascular plants.

GLOUCESTER (Essex County)

1864. *Markoe, Geo. F. H.* Catalogue of plants. *Essex Inst. Proc.* 3(for 1860-63):24-27.

Unannotated list of selected vascular plants.

1898. *Farlow, W. G.* Botany: marine algae. A. W. Grabau and J. E. Woodman's *Guide to localities illustrating the geology, marine zoology and botany of the vicinity of Boston*, publ. at Boston by Amer. Assoc. *Adv. Sci.* 97-100.

Description of marine algae at Nahant, and at Magnolia (Gloucester town).

1944. *Dexter, Ralph W.* Ecological significance of the disappearance of eel-grass at Cape Ann, Massachusetts. *Journ. Wildlife Management* 8: 173-176.

General description, including effects on other biotic communities, 1931-40.

1944. *Dexter, Ralph W.* The bottom community of Ipswich Bay, Massachusetts. *Ecology* 25:352-359.

Primarily zoologic; includes description of algal communities.

1945. *Dexter, Ralph W.* A report on the eelgrass situation in the Annisquam (Massachusetts) and Mystic (Connecticut) tidewater rivers in the summer of 1945. *U.S. Dept. Agric. Plant Disease Reporter* 29:702-704.

Records of living colonies of eelgrass and of *Ruppia*.

1946. *Dexter, Ralph W.* The eelgrass situation in the Annisquam (Massachusetts) and Mystic (Connecticut) tidewater rivers in the summer of 1946. *U.S. Dept. Agric. Plant Disease Reporter* 30:424-425.

Further records of increased abundance of eelgrass.

1947. *Dexter, Ralph W.* Status of eelgrass in the Annisquam tidal river and Menemsha saltwater pond in Massachusetts during the summer of 1947. *U.S. Dept. Agric. Plant Disease Reporter* 31:448-449.

Further records of increased abundance of eelgrass.

1947. *Dexter, Ralph W.* The marine communities of a tidal inlet at Cape Ann, Massachusetts: a study in bio-ecology. *Ecol. Monogr.* 17:261-294, 17 f., 11 t., maps.

A monographic study, mainly zoologic.

GREYLOCK RESERVATION (Berkshire County)

- 1902-1909. *Andrews, A. LeRoy.* A list of bryophytes from the Mt. Greylock region. *Rhodora* 4(1902):29-31, 238-243; 6(1904):72-75; 11(1909):116-118.
First list unannotated. Subsequent lists of annotated additions.

GROTON (Middlesex County)

1912. [*Hill, Eliz. Sewall.*] *Flora.* Samuel Abbott Green's *The natural history and the topography of Groton, Massachusetts* (Title on spine: *Facts relating to the history of Groton, Massachusetts*), publ. at Cambridge by Wilson:1-26.

Annotated list of vascular plants (no sedges and grasses), with flowering dates.

GROVELAND (Essex County)

1883. *Paine, Harriet Eliza.* Plants shown at the meeting in Groveland, Mass., August, 1883. *Essex Inst. Bull.* 15:133.
Plants seen on a field trip.

HADLEY (Hampshire County)

1905. *Judd, Sylvester.* *History of Hadley...*, Massachusetts, 205 p., illustr. *Springfield: Huntting.*
See pp. 426-429 for popular botanic treatment, including a north-south cross-section of Mt. Holyoke, with description of forest belts.

HAMPDEN COUNTY

1913. *Stone, Geo. Edward.* A list of plants growing without cultivation in Franklin, Hampshire and Hampden Counties, 72 p. *Amherst: author.*
List of 1493 vascular plants, with few annotations.

HAMPSHIRE COUNTY

1913. *Stone, Geo. Edward.* A list of plants growing without cultivation in Franklin, Hampshire and Hampden Counties, 72 p. *Amherst: author.*
List of 1493 vascular plants, with few annotations.
1914. *Roberts, Edith A.* The plant successions of the Holyoke Range. *Bot. Gaz.* 58:432-444, map.
Description of the vegetation and its development.
1920. *Fisher, Richard T., and E. I. Terry.* The management of second growth white pine in central New England. *Journ. For.* 18:358-366.
General conclusions, based on practice at Petersham and on observations of 54 areas in Cheashire (New Hampshire), Hampshire and northern Worcester Counties.

HAVERHILL (Essex County)

1924. *Bartlett, Mira W.* Ferns. *Haverhill Publ. Libr. Bull.* 8:17-20.

Popular treatment, with list of local pteridophytes.

1925. *Bartlett, Mira W.* A partial list of the wild flowers found growing in the thirty-two square miles comprised in the city of Haverhill.

Haverhill Publ. Libr. Bull. 8:61-76.

Unannotated list of selected seedplants.

HINGHAM (Plymouth County)

1868. [*Lewis, James S.*] Forest trees and shrubs of Hingham. *Abstract of returns of the agricultural societies of Massachusetts, 1867* (Title on spine: *Agriculture of Massachusetts by C. L. Flint, second series, 1867-8*):109-115.

Annotated list of 22 plants.

1893. *Bouvé, Thomas Tracy.* The botany of Hingham, Massachusetts.

History of the town of Hingham, publ. at Cambridge by the town, 1 (Pt. 1): 87-138.

List of vascular plants, with few annotations.

1893. *Bouvé, Edward T.* The trees and shrubs of Hingham, Massachusetts.

History of the town of Hingham, publ. at Cambridge by the town, 1 (Pt.1): 139-156, 3 pl.

Annotated list of about 250 plants.

1924. *Knowlton, Clarence Hinckley.* Notes on the plants of Hingham, Massachusetts. *Rhodora* 26:175-177.

Comments on localities and occurrences; additions to the 1893 lists.

IPSWICH (Essex County)

1785. *Cutler, Manasseh.* An account of some of the vegetable productions naturally growing in this part of America, botanically arranged. *Amer. Acad. Arts Sci. Memoirs* 1:396-493.

Annotated list of plants.

1841. *Oakes, Wm.* On the advance of spring in eastern part of Massachusetts. *Hovey's Mag.* 7:201-208, 2 t.

Phenologic data, based on records of 16 years.

1913. *Townsend, C. W.* Sand dunes and salt marshes, ix, 311 p. illustr. *Boston: Page.* 2nd ed., 1925.

Naturalist's account of vegetation, flora and topography.

HOLDEN (Worcester County)

1934. *Mass. Conf. on Land Economic Survey*. Summarized sample survey of natural resources based on the town of Holden and vicinity, 16 p., maps. Boston: *Mass. Forest and Park Assoc.*

With maps showing soil types, geology, land utilization, and forest types. "Forest survey", pp. 7-8, by Richard T. Fisher.

HUBBARDSTON (Worcester County)

1837. *Russell, John Lewis*. Notice of some rare and beautiful plants found in Hubbardston, Mass., during the months of May, June, July, and August, 1837. *Hovey's Mag.* 3:410-413.

Popular treatment of selected species. Mainly Hubbardston, but also adjacent town to east.

LOWELL (Middlesex County)

1882. *Chase, Chas. Chauncy*. Flora of Lowell and vicinity. *Lowell Morning Mail (newspaper)* 1882 (Nov. 21).

Unannotated list of 456 vascular plants.

1904. *Bayles, James*. Local flora. *Lowell Weekly Journal* May 6, 13, 18, 27; June 3, 10, 17, 24; July 1, 6, 8, 20, 22; August 5.

Popular treatment of selected vascular plants.

LYNN (Essex County)

1862. [*Mudge, B. F.*] The salt marsh formations of Lynn. *Essex Inst. Proc. (for 1856-60)*:117-119.

Describes buried stumps and interprets past history. Lynn, and adjacent Saugus and Nahant towns.

1889. *Baxter, Sylvester*. The Lynn public forest.. *Garden and Forest* 2: 526-527.

With comments on vegetation, and history of land-use.

1893. [*Atwood, Luther.*] Plants and trees in Lynn Woods. *Fourth Annual Rept. Park Commissioners city of Lynn for year ending Dec. 20, 1892*: 17-24, map.

Unannotated list of vascular plants.

1898. *Atwood, Luther*. Plants and trees in Lynn Woods. *Tenth Annual Park Commission Rept., Lynn, Massachusetts, 1898*: 25-43.

Unannotated list of plants, including cryptogams.

1940. *Chapman, V. J.* Studies in salt marsh ecology. Sect. VI and VII. Comparison with marshes on the east coast of North America. *Journ.*

Ecol. 28:118-152.

With data from marshes at Lynn and adjacent Saugus.

1940. *Chapman, V. J.* Succession on the New England salt marshes. *Ecol.* 21:279-282, 4 f.

Based on survey of literature. With data from marshes at Lynn.

MALDEN (Middlesex County)

1881. [*Silvester, Hattie.*] A list of plants growing without cultivation in Malden and Medford, Mass., with some contributions to a flora of Middlesex County, 19 p. *Malden: Middlesex Inst.*

Unannotated list of about 700 plants, including cryptogama, arranged by month of flowering.

MARSHFIELD (Plymouth County)

1885. *Shaler, N. S.* Sea-coast swamps of the eastern United States. *U.S. Geol. Surv. 6th Ann. Rept. (for 1884-85):*353-398, F. 51-57.

With detailed description of Green Harbor River diked lands at Marshfield.

MARTHA'S VINEYARD (Dukes County)

1877. *Morong, Thomas.* The flora of Martha's Vineyard and vicinity. *Field and Forest* 3:119-124.

Popular treatment of selected flora and vegetation.

1885. [*Redfield, J. H.*] On the flora of Martha's Vineyard and Nantucket. *Phila. Acad. Nat. Sci. Proc.:*378-379.

Brief comments on abundant species.

1893. *Hollick, Arthur.* Observations on the geology and botany of Martha's Vineyard. *N. Y. Acad. Sci. Trans.* 13:8-22.

With comments on vegetation, and unannotated list of vascular plants.

1902. *Hollick, Arthur.* Geological and botanical notes: Cape Cod and Chappaquidick Island, Mass. *N. Y. Bot. Garden Bull.* 2:381-407, 8 pl., map.

With unannotated list of 94 species, brief descriptions of the vegetation, and interpretation of the history.

1931. *Meleney, Grace Coit.* Flora of the island, long list of plants collected here last July. *Vineyard Gazette (newspaper) August 7.*

Unannotated list of seedplants.

1947. *Dexter, Ralph W.* Status of eelgrass in the Annisquam tidal river and Menemsha saltwater pond in Massachusetts during the summer of 1947.

U.S. Dept. Agric. Plant Disease Reporter 31:448-449.

Further records of increased abundance of eelgrass. Western Martha's Vineyard.

MASHPEE (Barnstable County)

1931. *Cook, H. O.* Original forests of Cape Cod. *Journ. For.* 29:422-423.
Description of forest vegetation of two islands in Halfway Pond (Plymouth town) and Wakeby Lake (Mashpee town).

MEDFIELD (Norfolk County)

n.d. *Knowlton, Clarence Hinckley.* Flora of Rocky Woods Reservation, Massachusetts, 11 p., map on cover. [*Boston: Trustees of Public Reservations.*]

Popular treatment of vegetation. Unannotated list of species. Bulletin received November 1949.

MEDFORD (Middlesex County)

1875-76. *Davenport, Geo. E.* Flora of Medford. *Medford Chronicle (newspaper)* 13 parts.

Popular treatment of selected vascular plants.

1881. [*Silvester, Hattie.*] A list of plants growing without cultivation in Malden and Medford, Mass., with some contributions to a flora of Middlesex County, 19 p. *Malden: Middlesex Inst.*

Unannotated list of about 700 plants, including cryptogams, arranged by month of flowering.

MIDDLESEX COUNTY

1886. *Lawrence, Rosewell B.* Middlesex Fells. *Appalachia* 4:199-214, Pl. 5 (folded map).

General description. Mainly Medford and Stoneham towns.

1888. *Dame, Lorin L., and Frank Shipley Collins.* Flora of Middlesex County, Massachusetts, xix, 201 p., map. *Malden: Middlesex Inst.*

Annotated list of 2061 plants, including cryptogams.

1899. *Cook, Mable Priscilla.* Some additions to the "Flora of Middlesex County, Massachusetts." *Rhodora* 1:80-82.

Annotations to new and old species.

1899. *Smith, Ernest C.* Further additions to the flora of Middlesex County, Massachusetts. *Rhodora* 1:97-98.

Annotations for 23 additions, mainly Framingham town.

1899. *Hosmer, Alfred W.* Further additions to the flora of Middlesex County, Massachusetts. *Rhodora* 1:223-224.

Annotations for additions, mainly Concord town.

1906. *Howe, Reginald Huber*. Some additions to the flora of Middlesex county, Massachusetts. *Bryol.* 9:81-82.

Annotated list of 24 bryophytes.

1892. *Lawrence, Rosewell B.* Middlesex Fells. *Appalachia* 6:322-326, Pl. 6 (folded map).

General description.

1947. *Eaton, Richard J.* *Lewna minor* as an aggressive weed in the Sudbury River. *Rhodora* 49:165-171, 1 t.

Popular treatment of vegetation changes, correlated with alkaline wastes.

MILFORD (Worcester County)

1882. *Ballou, Adin*. Vegetation and animality. His *History of the town of Milford, Worcester County, Massachusetts, from its first settlement to 1881*, publ. at Boston by the town: 23-25.

Popular treatment of vegetation, with consideration of origin of natural meadows.

MILLBURY (Worcester County)

1894. *Jackson, Joseph*. Through glade and mead, a contribution to local natural history, xiii, 332 p., 14 illustr. *Worcester: Putnam Davis*.

A naturalist's account, arranged by seasons, with lists of phenologic data. Appendix A, p. 253-320: "Flora of Worcester County, a catalogue of the phaenogamous and vascular cryptogamous plants of Worcester County, Massachusetts, 2 ed., rev. and enl.," a briefly annotated list of 1098 vascular plants. Appendix B, p. 321-328: "The trees, shrubs and evergreen flowering plants growing without cultivation in Worcester County," an unannotated list. Appendices also published separately by author, Worcester, 1894, under title of Appendix A, 76 p., 5 pl.

MILTON (Norfolk County)

1888. [*Churchill, J. R.* List of trees and plants growing naturally in Milton, Mass.] A. K. Teele's *The history of Milton, Massachusetts, 1640-1887*, publ. at Milton by the town: 592-613.

These pages include annotated lists of plants.

n.d. *Churchill, J. R.* List of trees and plants growing naturally in Milton, Mass., 16 p. *Milton: author*.

Annotated list of about 550 plants, apparently extracted from above.

MONTEREY (Berkshire County)

1931. *Stafford, Earle*. Skeleton planting. *Journ. For.* 29:41-47.

With description of old-field vegetation development. Area now part of Beartown State Forest.

MOUNT WASHINGTON (Berkshire County)

1901. *Britton, Eliz. G.* The rare mossea of Bashbish Falls. *Torrey* 1: 9 only.

Popular treatment of selected species.

1919. *Knowlton, Clarence Hinckley.* An excursion to Mt. Washington, Massachusetts, and Baah-bish Falls. *Rhodora* 21:198-202.

Popular treatment of selected species and vegetation.

NAHANT (Essex County)

1862. *Tracy, C. M.* Noticeable traits of the flora of Nahant. *Essex Inst. Proc.* 2 (for 1856-60):272-277.

Popular treatment of selected species and vegetation. Interpretation of history since 1633.

1898. *Farlow, W. G.* Botany: marine algae. A. W. Grabau and J. E. Woodman's *Guide to localities illustrating the geology, marine zoology and botany of the vicinity of Boston*, publ. at Boston by Amer. Assoc. Adv. Sci.: 97-100.

Description of marine algae at Nahant, and at Magnolia (Gloucester town).

NANTUCKET COUNTY

1882. *Owen, Maria L.* Botany. E. K. Godfrey's *The island of Nantucket, what it was and what it is*, publ. at Boston by Lee & Shepart, publ. at N. Y. by Dillingham: 36-47.

Unannotated list of plants.

1885. [Redfield, J. H.] On the flora of Martha's Vineyard and Nantucket. *Phila. Acad. Nat. Sci. Proc.* 1885:378-379.

Brief comments on abundant species.

1888. *Owen, Maria L.* A catalogue of plants growing without cultivation in the county of Nantucket, Mass., 87 p. *Northampton: Gazette Printing.*

Introduction on vegetation. Annotated list of 788 plants, including cryptogams.

1894. *Wilder, Burt G.* Evidence as to the former existence of large trees on Nantucket Island. *Amer. Assoc. Adv. Sci. Proc.* 43: one page.

Comments on stumps in an old peat bog.

1901. *Smith, Sara Winthrop.* Nantucket, a brief sketch of its physiography and botany, 24 p. N. Y.: Knickerbocker Press.

Popular treatment of vegetation and of selected species.

1908. *Wilson, Anne*. Boggy solitudes of Nantucket, 118 p. *N. Y. & Washington: Neale*.
Naturalist's account of bog plants and vegetation.
- 1908-1919. *Bicknell, Eugene P.* The ferns and flowering plants of Nantucket. *Bull. Torrey Bot. Club* 35(1908):49-62, 181-201, 471-498; 36(1909):1-29, 441-456; 37(1910):51-72; 38(1911):103-133, 447-460; 39(1912):69-80, 415-428; 40(1913):605-624; 41(1914):71-87, 411-427; 42(1915):27-47, 331-349, 549-570; 43(1916):265-276; 44(1917):369-387; 45(1918):365-383; 46(1919):423-440.
Annotated list of 1136 plants.
1911. *Cushman, Jos. A.* Three additional plants from Nantucket. *Rhodora* 13:105.
Annotations on three additions.
1914. *Gardner, Grace Brown*. [The Nantucket flora.] Robt. Alexander Douglas-Lithgow's *Nantucket, a history, publ. at N. Y. & London by Putnam*:245-268.
Popular introductory treatment. Unannotated list of vascular plants, Latin names only.
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Lists, keys, descriptions, bibliography.

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NEEDHAM (Norfolk County)

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PLYMOUTH COUNTY

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ROCKPORT (Essex County)

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Unannotated list of seedplants.

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List of 75 species, representing a pioneer community, in cellar of a burned church.

SHEFFIELD (Berkshire County)

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Popular treatment of selected flora and vegetation.

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Popular treatment of selected flora and vegetation.

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Popular treatment of selected plants.

SHREWSBURY (Worcester County)

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Unannotated list of 450 plants, including cryptogams.

SOUTHBRIDGE (Worcester County)

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Unannotated list of vascular plants, with months of flowering.

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Interpretation of vegetation from Indian times, through several changes, to present conditions.

SPRINGFIELD (Hampden County)

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Unannotated lists of native and introduced vascular plants.

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Unannotated lists of native and introduced vascular plants. Repeated in report for 1917+21-34.

1924. *Andrews, Luman, et al.* Catalogue of the flowering plants and ferns of Springfield, Massachusetts, growing without cultivation, *Springfield Mus. Nat. Hist. Bull.* 3: 221 p., 10 pl., map.

Annotated list of over 1200 vascular plants.

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Annotations on additions, and other comments.

STOCKBRIDGE (Berkshire County)

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SUFFOLK COUNTY

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1896. *Beals, A. T.* The ferns of Mount Toby, Mass. (*Linn.*) *Fern Bull.* 4: 1-2.

Popular treatment of selected plants.

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Popular treatment of selected plants.

TEMPLETON (Worcester County)

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Unannotated list of vascular plants.

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Unannotated list of plants, including cryptogams.

WAREHAM (Plymouth County)

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Comments on exact locations of several small colonies in Buttermilk Bay. (Possibly also in Bourne town, Barnstable County.)

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With unannotated list of vascular plants.

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Worcester: Putnam Davis.
 Popular treatment of local species and of individual specimens.
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 Annotated list of 36 plants.
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 Annotated list of 62 plants from Worcester and nearby towns.
- WORCESTER COUNTY
- 1882-84. *Jackson, Joseph*. [Plants of Worcester County.] *Worcester Daily Spy (newspaper)*, 1882 (May); 1884 (March).
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Worcester: Nat. Hist. Soc.
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- 1899-1901. *Harper, Roland W.* Additions to the flora of Worcester County, Massachusetts. *Rhodora* 1 (1899): 42-43, 201-205; 3(1901):185-189.
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1900. *Knowlton, Clarence Hinckley*. Further notes on the flora of Worcester County, Massachusetts. *Rhodora* 2:201-202.
 Annotated list of species, mainly additions.
1894. *Jackson, Joseph*. Flora of Worcester County, a catalogue of the phaenogamous and vascular cryptogamous plants of Worcester County, Massachusetts, 2 ed., rev., and enl. His *Through glade and mead...*, publ. at Worcester by Putnam Davis: 253-320. Publ. separately under this title, but including also pages 321-328, "The trees, shrubs and evergreen flowering plants growing without cultivation in Worcester County," publ. at Worcester by the author, 76 p., 5 pl.
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Annotated list of 1240 vascular plants.
1927. *Jackson, Joseph*, preface by *N. P. Woodward*. Additions to the flora of Worcester, Massachusetts, a list of plants found growing out of cultivation, 49 p. *Worcester: Nat. Hist. Soc.*
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Annotated list of additions.
1940. *Potter, David, Norman P. Woodward, et al.* Notes on the flora of Worcester County, Massachusetts - II. *Rhodora* 42:40-47.
Annotated list of additions.
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A town by town survey, recognizing seven forest cover types.
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General conclusions, based on practice at Petersham and on observations of 54 areas in Cheshire (New Hampshire), Hampshire and northern Worcester Counties.
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Composition and yield tables for three forest types in northern Worcester County.
1923. *Averill, R. C., W. B. Averill, and W. I. Stevens*. A statistical forest survey of seven towns in central Massachusetts. *Harvard Forest Bull.* 6: 1 f., 18 t.
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Correlation of growth characteristics with site and density, in three forest types of northern Worcester County.
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Reconstruction of post-logging history at Petersham. Hemlock studies in northern Worcester County.

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- Goodale, Alfred S.* 1929. See GENERAL.
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- Grabau, A. W.* 1898. See GLOUCESTER and NAHANT, 1898, *Farlow, W. G.*
- Gray, Asa.* 1880. See SUFFOLK CO.
- Green, Samuel Abbott,* 1912. See GROTON, 1912, *Hill, E. S.*
- Greenwood, Helen E.* 1910. See WORCESTER.
1915. See WORCESTER.
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1900. See GENERAL, 1887, *Cobb, N. A.*
1921. See BARNSTABLE CO.
- Harshberger, John W.* 1914. See NANTUCKET CO.
- Hartwell, E. W.* 1930. See PETERSHAM, 1930, *Griffith, B. G.*
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- Hedge, Catherine Elliott.* 1904. See PLYMOUTH.
- Hervey, Eliphalet Wm.* 1860. See NEW BEDFORD.
1891, 1911. See NEW BEDFORD.
- Higginson, Storrow, and Samuel B. Read.* 1878. See NEEDHAM.
- Higginson, Thomas Wentworth.* 1861. See CAMBRIDGE.
1862. See CAMBRIDGE.
- Hill, Eliz. Sewall.* 1912. See GROTON.
- Hitchcock, Edward.* 1829. See GENERAL.
1833, 1835. See STATE FLORAS.
- Hoffmann, Ralph, and G. Thompson.* 1914. See STOCKBRIDGE.
1922. See BERKSHIRE CO.
- Hollick, Arthur.* 1893. See MARTHA'S VINEYARD.
1901. See ELIZABETH IS.
1902. See BARNSTABLE AND MARTHA'S VINEYARD.
- Holmes, Oliver Wendell.* 1890. See GENERAL, 1890, *Dane L. L.*
- Holsoe, Torkel.* 1947. See PETERSHAM.
1948. See PETERSHAM.
- Horner, Charlotte N. S.* 1876. See GEORGETOWN.
1884. See GEORGETOWN.
- Hosley, N. W.* 1929. See GENERAL, 1929, *Gevorkiantz, S. R.*
- Hosmer, Alfred W.* 1899. See CONCORD.
1899. See MIDDLESEX CO., 1888, *Dane, L. L.*
- Hough, F. B.* 1878. See STATE FLORAS.
- Howe, Reginald Huber, Jr.* 1906. See ASHBY.
1906. See MIDDLESEX CO., 1888, *Dane, L. L.*
1908. See BOSTON DISTRICT, 1896, *Deane, W.*
1913-1915. See CONCORD.
- Humphrey, J. E.* 1892. See AMHERST.
- Huntington, J. W.* 1900. See ESSEX COUNTY.

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McKinnon, F. S.
- Illick, Jos. S. 1927. See STATE FLORAS.
- Jack, John G. 1911. See PETERSHAM.
1935. See BOSTON.
- Jackson, Joseph. 1882-1884. See WORCESTER COUNTY.
1883. See WORCESTER CO.
1889. See WORCESTER CO., 1883, Jackson, J.
1894. See MILLBURY, and see WORCESTER CO.
1909. See WORCESTER CO.
1927. See WORCESTER CO., 1909, Jackson, J.
- Johnson, Frederick, and Hugh M. Raup. 1947. See BERKLEY.
- Jones, Bassett. 1930. See NANTUCKET CO.
1935. See NANTUCKET CO.
- Jordan, D. S. 1874. See ELIZABETH IS.
- Judd, Sylvester. 1905. See HADLEY.
- Kearney, T. H. 1904. See FALMOUTH.
- Kenrick, E. B. 1835-1836. See BOSTON.
- Kittredge, J., Jr. 1913. See PETERSHAM.
- Knowlton, Clarence Hinckley. 1900. See WORCESTER CO., 1883, Jackson, J.
1912. See DUXBURY.
1914. See PLYMOUTH CO. and BARNSTABLE CO.
1917. See CHELMSFORD.
1919. See MOUNT WASHINGTON.
1924. See HINGHAM.
1945. See BOSTON DISTRICT.
1949. See BOSTON DISTRICT.
n. d. See MASHPEE.
- Lawrence, Rosewell B. 1886. See MIDDLESEX CO.
1892. See MIDDLESEX CO.
- Leonard, Henry C. 1873. See ROCKPORT.
- Leopold, A. C. 1947. See BOSTON DISTRICT.
- Lewis, James S. 1868. See HINGHAM.
- Lewis, Ivey F. 1924. See ELIZABETH IS.
- Lockard, C. R. 1925. See GENERAL, 1925, Cline, A. C.
- Locke, Elsie. 1902. See BOSTON DISTRICT.
- Lutz, R. J., and A. C. Cline. 1947. See PETERSHAM.
- Lyon, C. J. 1943. See BOSTON DISTRICT.
- Malumphy, T. L'H. 1944. See WORCESTER CO.
- Markoe, Geo. Frederick Holmes. 1864. See GLOUCESTER.
- Marshall, R. 1927. See PETERSHAM and WORCESTER CO.
- May, J. B. 1912. See DUXBURY.
- Mayhew, Inez P. 1920. See GENERAL.
- McAtee, W. L. 1916. See NANTUCKET CO.
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and WORCESTER CO.
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- Merrill, E. D. 1938. See BOSTON (two papers).

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- Moore, A. H., and Arthur Stanley Pease.* n.d. See ANDOVER.
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- Morris, J. J.* 1918. See PLYMOUTH CO.
- Moul, Edwin T.* 1948. See ELIZABETH ISLANDS, 1948, Doty, M. S.
- Moulton, Edw.* 1891. See NEWBURYPORT.
- Mudge, B. F.* 1858. See LYNN.
- Niles, Grace Greylock.* 1905. See BERKSHIRE CO.
- Northrop, Alice R.* n.d. See ELIZABETH IS.
- Oakes, Wm.* 1841. See IPSWICH.
1856. See ESSEX CO.
- Osgood, Geo.* 1854. See ESSEX CO.
- Owen, Maria L.* 1882. See NANTUCKET CO.
1888. See NANTUCKET CO.
1901. See SUNDERLAND.
- Paine, Harriet Eliza.* 1883. See GROVELAND.
1883. See ESSEX CO., 1880, Robinaon, J.
- Palmer, Ernest J.* 1930. See BOSTON.
1935. See BOSTON.
1947. See BOSTON.
- Patton, Reuben T.* 1922. See PETERSHAM.
- Parish, S. B.* 1901. See PLYMOUTH CO.
- Peabody, Eliz. P.* 1849. See SALEM.
- Pease, Arthur Stanley.* 1901. See ANDOVER.
- n.d. See ANDOVER, n.d., Moore, A. H.
- Pease, Cora E.* 1885. See BOSTON DISTRICT.
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- Peirson, H. B.* 1922. See PETERSHAM.
- Perley, Mary Ellen.* 1876. See BOXFORD.
- Phippen, Geo. D.* 1870. See SALEM.
- Porter, Jacob.* 1818. See PLAINFIELD.
1821. See PLAINFIELD.
- Potter, David, and Norman P. Woodward.* 1935. See WORCESTER CO., 1909, Jackson, J.
- Norman P. Woodward, et al.* 1940. See WORCESTER CO., 1909, Jackson, J.
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- Read, S. B.* 1878. See NEEDHAM, 1878, Higginson, S.
- Redfield, J. H.* 1885. See NANTUCKET CO. and MARTHA'S VINEYARD.
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- Reynolds, Harris A.* 1946. See RUSSELL.
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1908. See BOSTON.

- Roberts, Edith A.* 1914. See HAMPSHIRE CO.
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- Robinson, John.* 1875, 1877. See ESSEX CO.
1879. See ESSEX CO.
1880. See ESSEX CO. (two papers)
1881. See BOSTON DISTRICT.
1882. See BOSTON DISTRICT.
1883. See REVERE, 1883, Young, H. A.
1885. See ESSEX CO.
1891. See ESSEX CO.
1902. See SALEM.
1926. See SALEM.
- Russell, John Lewis.* 1837. See HUBBARDSTON.
1841. See GENERAL.
1847. See BOSTON DISTRICT.
- Saunders, Mary T.* 1897. See GENERAL.
- Sears, John H.* 1883. See ESSEX CO.
1886. See SALEM.
- Seymour, F. C.* 1927. See SPRINGFIELD, 1924, Andrews, L.
- Shaler, N. S.* 1885. See GENERAL, and PLUM ISLAND, and MARSHFIELD.
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- Shaw, T. E.* 1930. See PETERHAM, 1930, Griffith, B. G.
- Shelford, V. E.* 1926. See GENERAL, 1926, Starr, A. M.
- Silvester, Hattie.* 1881. See MALDEN and MEDFORD.
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- Sinnott, Edmund W.* 1912. See BARNSTABLE CO.
- Smith, Ernest C.* 1899. See MIDDLESEX CO., 1888, Dame, L. L.
- Smith, Frank.* 1897. See DOVER.
- Smith, Lyman B.* 1928-1947. See STATE FLORAS.
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- Spaeth, J. N.* 1920. See WORCESTER CO.
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- Spring, Samuel N.* 1905. See GENERAL.
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Averill, R. C.
- Stone, Geo. Edward.* 1897. See GENERAL.
1890. See WORCESTER CO., 1883, Jackson J.
1899. See GENERAL.
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1913. See FRANKLIN CO., HAMPSHIRE CO. and HAMPDEN CO.
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- Terry, E. I.* 1920. See WORCESTER CO. and HAMPSHIRE CO. 1920, Fisher, H. T.
- Thompson, C. H.* 1930. See AMHERST, 1930, Waugh, F. A.

- Thompson, G.* 1914. See STOCKBRIDGE, 1914, Hoffmann, R.
- Thoreau, Henry David.* 1865. See BARNSTABLE CO.
1882. See CONCORD.
- Townsend, C. W.* 1913. See IPSWICH.
- Tracy, Cyrus Mason.* 1858, 1892. See ESSEX CO.
1862. See NAHANT.
- Tucker, Arabella Hannah.* 1894. See WORCESTER.
- Tuckerman, Edward, and Chas. C. Frsot.* 1875. See GENERAL.
- Wallace, G. J.* 1939. See BERKSHIRE CO., 1922, Hoffmann, R.
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- Wilder, Burt G.* 1894. See NANTUCKET CO.
- Willey, Henry.* 1892. See NEW BEDFORD.
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- Williams, Stephen Wells.* 1818. See DEERFIELD.
- Wilson, Anne.* 1908. See NANTUCKET CO.
- Woodman, J. E.* 1898. See GLOUCESTER and NAHANT, 1898, Farlow, W. G.
- Woodward, Norman P.* 1927. See WORCESTER CO., 1909, Jackson J.
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1940. See WORCESTER CO., 1909, Jackson J.
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1940. See BOSTON.
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